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NONAQUEOUS ELECTROLYTE SECONDARY BATTERY (11-273726**Publication Number:** JP 11273726 A) , October 08, 1999**Inventors:**

- UEKI SHINICHI
- NAGURA HIDEAKI

Applicants

- FUJI ELELCTROCHEM CO LTD

Application Number: 10-075885 (JP 9875885) , March 24, 1998**International Class:**

- H01M-010/40

Abstract:

PROBLEM TO BE SOLVED: To provide a nonaqueous electrolyte secondary battery with high cycle characteristics at a high temperature by preventing the decomposition polymerization of a nonaqueous solvent on the surface of a positive electrode of a lithium secondary battery by using an optimum nonaqueous electrolyte. **SOLUTION:** A nonaqueous electrolyte secondary battery uses a positive active material and a negative active material both capable of intercalating/ deintercalating lithium, and a nonaqueous electrolyte prepared by dissolving an electrolyte in a nonaqueous solvent. Vinylene carbonate(VC) and N-(benzyl oxi carbonyl oxi) succinimide(NBCS) are included in the nonaqueous solvent of the nonaqueous electrolyte in the weight ratio of NBCS/VC=0.02-1.0.

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